



>>Entry Name: Iodomethylmercury, 9CI

Synonym(s): Methylmercury iodide

CAS Registry Number: 143-36-2

MeHgI

Molecular Formula: CH₃HgI

Molecular Weight: 342.529

Accurate Mass: 343.898565

Percentage Composition: C 3.51%; H 0.88%; Hg 58.56%; I 37.05%

Source/Synthesis: Synth. from MeMgI and HgI₂

Physical Description: Pale yellow plates (EtOH or MeOH)

Melting Point: Mp 145° (148-149°)

UV: [neutral] $\lambda_{\max}$ 230 (ϵ 3981); 260 (ϵ 7762) (no solvent reported)

Other Data: Forms complex with MeHgCl. Dipole moment 3.32D

Aldrich: 44254-2

References:

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Wittel, K. *et al.*, *J. Electron Spectrosc. Relat. Phenom.*, 1974, **5**, 1115, (*pe*)
Sens, M.A. *et al.*, *J. Magn. Reson.*, 1975, **19**, 323, (*Hg-199 nmr*)
Walls, C. *et al.*, *J.C.S. Faraday 2*, 1975, **71**, 1091, (*microwave, struct*)
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Brown, A.J. *et al.*, *J.C.S. Dalton*, 1976, 1589, (*cmr*)
Goggin, P.L. *et al.*, *J.C.S. Faraday 2*, 1976, **72**, 1025, (*ir, Raman*)
Tajima, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 2114, (*aq soln*)
Breitinger, D.K. *et al.*, *J. Organomet. Chem.*, 1983, **243**, 245; **256**, 217, (*Hg-199 nmr, uv*)
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